Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/26/2019 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124715	-1	3.88	124705	3.95
Blue	F	SSC	125000	123064	-2	2.69	123851	2.72
Blue	E	FITC	16122	15619	-4	3.75	339	20.70
Blue	D	PE	29316	28427	-4	3.32	621	15.30
Blue	B	PerCP-Cy5-5	42590	41679	-3	4.61	1120	20.80
Blue	A	PE-Cy7	33146	32824	-1	7.21	623	42.52
Red	C	APC	45473	44874	-2	3.01	1588	12.38
Red	A	APC-Cy7	31961	30400	-5	3.37	799	12.19
Violet	B	V450	7914	7603	-4	4.08	431	13.00
Violet	A	V500	29769	28717	-4	3.79	670	10.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21165	5.47	614	14	N/A	N/A	Pass
Blue	F	SSC	55350	2.83	553	15	N/A	N/A	Pass
Blue	E	FITC	62	65.09	542	5	0.0191	147	Pass
Blue	D	PE	129	50.58	544	7	0.1516	259	Pass
Blue	B	PerCP-Cy5-5	204	49.79	648	10	0.0087	25	Pass
Blue	A	PE-Cy7	113	107.19	703	12	0.0102	18	Pass
Red	C	APC	377	25.80	588	9	0.0238	162	Pass
Red	A	APC-Cy7	176	30.05	563	7	0.0059	1603	Pass
Violet	B	V450	69	56.69	463	3	0.0523	2143	Pass
Violet	A	V500	101	32.95	475	3	0.0209	571	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.02	-31.54	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.91	13.60 - 20.40	N/A	N/A	29.16	29.52	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12171

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments